

# Wireless PIR motion detector

Code: JA-154P

The JA-154P is a modern wireless PIR motion detector designed for the protection of standard interiors. It detects the movement of persons within a monitored area with high resistance to false alarms. The product represents a full replacement for the older JA-150P model and is designed for reliable operation within the JABLOTRON 100+ and Mercury systems.



## Product description:

The detector utilises advanced digital signal processing and two-way asynchronous communication, ensuring excellent immunity and detection stability in various types of indoor installations.

- **High detection reliability:** The detection characteristics cover an angle of 110° with a range of up to 12 metres, while digital signal filtration minimises the risk of false alarms.
- **Two-way communication:** The use of an asynchronous protocol increases data transmission security and enables efficient power management. **All detector settings are managed via configuration software; this eliminates the need for site visits or opening the cover to access setting switches.**
- **Optimised power supply:** The detector is powered by two 1.5 V AA alkaline batteries with a typical service life of approximately 4 years, reducing regular maintenance requirements.
- **Suitable mounting:** The recommended installation height is 2.2 to 2.5 metres above floor level.
- **Comprehensive protection:** The device is equipped with tamper contacts that immediately signal the opening of the cover or the removal of the detector from the wall.
- **System compatibility:** The module is fully supported by the [JA-102K](#), [JA-103K](#), [JA-107K](#), [JA-108K](#) series control panels, as well as [JA-152KRY](#) wireless variants.
- **Certified security:** The product is certified to Security Grade 2 according to the European EN 50131 standards.

Thanks to its compact dimensions and **timeless design**, the detector **blends inconspicuously into any interior** without appearing intrusive. To ensure optimal performance, we recommend avoiding installation near heat sources (radiators) or in areas with intense air circulation (draughts).

## Technical information:

<b>Power</b>	2x alkaline batteries, type LR6 (AA) 1.5 V Note: Batteries are not included.
<b>Typical battery life</b>	approximately 4 years
<b>Low battery voltage</b>	<2.4 V
<b>Nominal current consumption</b>	36 µA
<b>Maximum current consumption</b>	50 mA
<b>Communication frequency</b>	868.1 MHz, JABLOTRON protocol
<b>Maximum radio-frequency power (ERP)</b>	<25 mW

<b>Communication range</b>	approx. 500 m (open terrain)
<b>Recommended installation height</b>	2.2 to 2.5 m above floor level
<b>Detection angle / detection coverage</b>	110 ° / 12 m (with basic lens)
<b>Dimensions</b>	60.8 x 97.5 x 51.8 mm
<b>Weight (without batteries)</b>	82 g
<b>Classification</b>	security grade 2 / environment class II (according to EN 50131-1)
<b>Environment</b>	Indoor general
<b>Operating temperature range</b>	-10 °C to +40 °C
<b>Average operating humidity</b>	75 % RH, non-condensation
<b>Certification body</b>	Trezor Test s.r.o. (No. 3025), Kiwa Nederland b. v.
<b>Complies with</b>	EN 50131-2-2, EN 50131-5-3, EN 50131-6, EN 50130-4, ETSI EN 300 220-2, EN 55032, EN IEC 62368-1, EN IEC 63000, T 031
<b>Operating conditions according to general authorisation</b>	ERC REC 70-03
<b>Recommended screw</b>	2x ø 3.5 x 40 mm (countersunk head)